

**AMENDMENTS TO THE SPECIFICATION**

Please amend paragraph [0025] as follows:

[0025] The fluid dynamic grooves 300 may be formed asymmetrically, ~~is greater than the length of the leg on the other side of the pattern's apex~~ where the length of one leg of the pattern leading to the pattern's pressure apex is greater than the length of the leg on the other side of the pattern's apex ~~is greater than the length of _____~~. When asymmetry of the pattern is created by legs with different lengths, a net flow of fluid 214 is pumped toward the leg with the shorter length. As the hub 204 and shaft 202 rotate, a net hydraulic pressure is generated by the journal bearing grooves 300 toward the second end 223 of the shaft 202. Pressure is also generated as a function of the size of the gap between the shaft 202 and sleeve 208 in the areas of the grooves 300 (and depending on the size of the gap, symmetric grooves 300 may also be used, and the same effect achieved). This pressure exerts a positive thrust force on the second end 223 of the shaft 202 that displaces the shaft 202 axially.